

FAST: (Untitled)

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DB: USPTO-DB-GAUS P Dstar  
Database: GAUS P Highlight items only

9 and (implant\$3)

1 Failed 1 Searched

#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	U	I	Document ID	Issue Date	Pages	Title	Current CR	Current EB#	Retrieval C	Inventor	S	C	P	PC	PF	PR	PS	PE	PI	IP
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6420750 B1	20020716	10	Structure and method for buried-strap with reduced ou	257/302;	257/327;		Divakaruni, Ramachandra et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6417063 B1	20020709	20	Folded deep trench capacitor end method	438/386	257/E21.651;	438/243;	Petter, Robert et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6319700 B1	20011120	35	Semiconductor structure and manufacturing methods	430/306	257/298;	257/E21.396	Gruening, Ulrike et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6310375 B1	20011030	47	Trench capacitor with isolation collar and corres	257/301	257/300;	257/302;	Schitzen, Martin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6284665 B1	20010904	18	Method for controlling the shape of the etch front in t	438/710	257/E21.312;	257/E21.396	Lill, Thorsten et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6281539 B1	20010828	25	Structure and process for SF2 DT cell having vertical	257/302	257/301;	257/E21.652;	Mandelman, Jack A. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6265742 B1	20010724	17	Memory cell structure and fabrication	257/304	257/302;	257/303;	Gruening, Ulrike et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6265741 B1	20010724	16	Trench capacitor with epi buried layer	257/301	257/296;	257/E29.346	Schitzen, Martin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6242310 B1	20010605	10	Method of forming buried-strap with reduced ou	438/268	257/E21.653;	438/269;	Divakaruni, Ramachandra et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6204112 B1	20010320	9	Process for forming a high density semiconductor device	438/243	257/E21.651		Chakravarti, Ashima Bhattacharyya et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6190988 B1	20010220	14	Method for a controlled bottle trench for a dram sto	438/386	438/248;	438/389;	Furukawa, Toshiharu et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6184151 B1	20010206	26	Method for forming cornered images on a substrate and ph	438/743	257/E21.035;	257/E21.036;	Adair, William J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6180975 B1	20010130	13	Depletion strap semiconductor memory device	257/306	257/296;	257/301;	Radens, Carl J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6163045 A	20001219	9	Reduced parasitic leakage in semiconductor devices	257/301	257/304;	257/305;	Mandelman, Jack A. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6093614 A	20000725	18	Memory cell structure and fabrication	438/300	257/E21.652;	257/E27.096;	Gruening, Ulrike et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6074954 A	20000613	18	Process for control of the shape of the etch front in t	438/710	257/E21.312;	257/E21.396;	Lill, Thorsten et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6040213 A	20000321	13	Polysilicon mini spacer for trench buried strap formatio	438/243	257/E21.651;	438/246	Canale, Anthony J. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6022781 A	20000208	10	Method for fabricating a MOSFET with raised STI isola	438/296	257/301;	257/305;	Noble, Jr., Wendell P. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US							

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- 13: (3491) deep near trench
- 14: (1627) 3 and capacitor
- 15: (769) 4 and implant\$3
- 16: (575) 5 and trench.clm.
- 17: (152) 6 and (node near dielectric or insulator\$3)
- 18: (137) 7 and (oxidation or (silicon adj oxide) or (silicon adj dioxide))
- 19: (98) 8 and capacitor.clm.
- 110: (27) 9 and (collar near dielectric)
- 111: (50) 9 and (oxidation.clm. or oxide.clm.)
- 113: (19) 11 and implant\$3.clm.

• Failed

• (1) 6 and ((node near dielectric or insulator\$3)

		Search	Show	Open
DB: USPTO-GRUB		P. Bar		
Document ID: 11		Highlight automatically		
11 and implant\$3.clm.				

#	Document ID	Issue Date	Pages	Title	Current DB	Current Stat	Retrieval C	Inventor	S	C	P	M	A	US	Int'l
2	US 20030134468	20030717		Aggressive capacitor array cell layout for narrow diameter trench	438/243	257/301		Wang, Hsiao-Lei et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>					
3	US 20030098483	20030529		Vertical internally-connected trench	257/301			Lee, Brian S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	US 20030082876	20030501		Vertical DRAM punchthrough stop self-aligned to storage	438/243	257/302		Mandelman, Jack A. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	US 20030057483	20030327	19	GROOVED PLANAR DRAM TRANSFER DEVICE USING BURIED POCKET	257/330	257/E21.655		BRONNER, GARY et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20
6	US 20030042524	20030306		Vertical internally-connected trench	257/301			Lee, Brian S. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	US 2003003651	20030102		Embedded vertical dcam arrays with silicided bitline	438/243	257/E21.659; 257/E21.66		Divakaruni, Ramachandra et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	US 20020085434	20020704		Structure and process for 6F2 trench capacitor DRAM cell	365/200	257/E21.652; 257/E21.096		Mandelman, Jack A. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	US 2001004540	20010621	19	Grooved planar DRAM transfer device using buried pocket	438/270	257/330; 257/E21.655		Bronner, Gary et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 20
10	US 6656807 B2	20031202	20	Grooved planar DRAM transfer device using buried pocket	438/296	438/424; 438/430		Bronner, Gary et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
11	US 6639264 B1	20031028	7	Method and structure for surface state passivation to	257/301	257/302; 257/305		Loh, Stephen K.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
12	US 6630379 B2	20031007	39	Method of manufacturing 6F2 trench capacitor DRAM cell having vertical array	438/243	257/301; 257/E21.652		Mandelman, Jack A. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
13	US 6429068 B1	20020806	18	Structure and method of fabricating embedded vertical array	438/243	257/E21.659; 257/E21.66		Divakaruni, Ramachandra et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
14	US 6426253 B1	20020730	19	Method of forming a vertically oriented device	438/243	257/E21.551; 257/E21.629		Tews, Helmut Horst et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
15	US 6426252 B1	20020730	13	Silicon-on-insulator vertical array DRAM cell with	438/243	257/E21.652; 438/155		Radens, Carl J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
16	US 6362040 B1	20020326	13	Reduction of orientation dependent oxidation for vertical trench	438/246	257/E21.285; 257/E21.652		Tews, Helmut Horst et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
17	US 6190988 B1	20010220	14	Method for a controlled bottle trench for a dram storage cell	438/386	438/248; 438/389		Furukawa, Toshiharu et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
18	US 6096500 A	20000801	14	Low programming voltage	438/132	257/E23.147; 438/131		Iyer, S. Sundar Kumar et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US
19	US 6037194 A	20000314	27	Method for making a DRAM cell with grooved transfer d	438/147	257/E21.655; 438/175		Bronner, Gary B. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US

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